

## Abstract

A phospholipid derivative, utilizable for modification of liposomes and the like, which is a copolymer containing, as essential component units, a component unit A represented by the formula (1), a component unit B represented by the formula (2A) and/or the formula (2B), and a component unit C represented by the formula (3) [R<sup>1</sup> and R<sup>2</sup> represent hydrogen atom or methyl group, provided that R<sup>1</sup> and R<sup>2</sup> do not simultaneously represent methyl group; R<sup>3</sup> represents a divalent hydrocarbon group having 1 to 3 carbon atoms; AO represents an oxyalkylene group having 2 to 4 carbon atoms; m represents an average molar number of the added oxyalkylene groups and is a number in the range represented as 4 ≤ m ≤ 100; R<sup>4</sup> represents hydrogen atom, a hydrocarbon group or acyl group having 1 to 20 carbon atoms; R<sup>5</sup>CO and R<sup>6</sup>CO represent an acyl group having 8 to 24 carbon atoms; R<sup>7</sup> represents a divalent hydrocarbon group having 2 to 4 carbon atoms; and X and Y represent hydrogen atom, an alkali metal atom, ammonium or an organic ammonium] wherein a molar ratio of the component unit A relative to a total of the component unit B and the component unit C is from 7/3 to 3/7, and the component unit C is contained at a ratio of from 1 to 4 moles per 1 mole of the copolymer.

